IAP6 Rec'd PCT/PTO 26 APR 2007

PTO-1390 (Rev. 09-2006)
Approved for use through 03/31/2007. OMB 0651-0021
U. S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO	THE UNITED STATES	ATTORNEY'S DOCKET NUMBER S8810.0003/P003		
DESIGNATED/ELECTED		U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		
CONCERNING A SUBMISSIC INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	10/588,283 PRIORITY DATE CLAIMED		
INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITI DATE CEAIMED		
TITLE OF INVENTION				
METHOD OF MANUFACTURING THIN FILM, METHOD OF MANUFACTURING p-TYPE ZINC OXIDE THIN FILM AND SEMICONDUCTOR DEVICE				
APPLICANT(S) FOR DO/EO/US				
Masashi Kawasaki et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:				
1. This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.				
2. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.				
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.				
4. The US has been elected (Article 31).				
5. A copy of the International Application as filed (35 U.S.C. 371 (c)(2))				
a. is attached hereto (required only if not communicated by the International Bureau).				
b. has been communicated by the International Bureau.				
c. is not required, as the application was filed in the United States Receiving Office (RO/US).				
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).				
a. is attached hereto.				
b. has been previously submitted under 35 U.S.C. 154(d)(4).				
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))				
a. are attached hereto (required only if not communicated by the International Bureau).				
b. have been communicated by the International Bureau.				
c. have not been made; however, the time limit for making such amendments has NOT expired.				
d. have not been made and will not be made.				
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).				
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).				
An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).				
Items 11 to 20 below concern document(s) or information included:				
11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.				
12. x An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.				
13. A preliminary amendment.				
14. An Application Data Sheet under 37 CFR 1.76.				
15. A substitute specification.				
16. A power of attorney and/or change of address letter.				
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.				
18. A second copy of the published International Application under 35 U.S.C. 154(d)(4).				
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).				
1				

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U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. U.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO. ATTORNEY'S DOCKET NUMBER 10/588,283 S8810.0003/P003 20. x Other items or information: Return Receipt Postcard CALCULATIONS The following fees have been submitted **PTO USEONLY** Basic national fee (37 CFR 1.492(a)) \$300 21. Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$ All other situations Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 International Search Report prepared by an ISA other than the US and provided to the Office or \$ previously communicated to the US by the IB\$400 All other situations .. 0.00 TOTAL OF 21, 22 and 23 = Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Number of each additional 50 or fraction RATE **Total Sheets** Extra Sheets thereof (round up to a whole number) x \$250.00 \$ - 100 = /50 = Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration 130.00 after the date of commencement of the national stage (37 CFR 1.492(h)). NUMBER EXTRA NUMBER FILED RATE CLAIMS 0.00 Total claims -20 =0 X 200.00 - 3 = 0 x 0.00 Independent claims MULTIPLE DEPENDENT CLAIM(S) (if applicable) TOTAL OF ABOVE CALCULATIONS = \$ Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. 65.00 X SUBTOTAL = 65.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest \$ claimed priority date (37 CFR 1.492(i)). \$ 65.00 **TOTAL NATIONAL FEE =** Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied \$ 40.00 by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property \$ **TOTAL FEES ENCLOSED =** \$ 105.00 Amount to be \$ refunded: Amount to be \$ charged 04/30/2007 JBALINAN 00000078 10588283 3 m 18 5 65.00 OP

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U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. to cover the above fees is enclosed. A check in the amount of \$ ___ in the amount of \$ to cover the above fees. Please charge my Deposit Account No. A duplicate copy of this sheet is enclosed. c. | x | The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-1073 . A duplicate copy of this sheet is enclosed. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card Information should not be included on this form. Provide credit card information and authorization on PTO-2038 NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed an granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Thomas J. D'Amico DICKSTEIN SHAPIRO LLP 1825 Eye Street, NW Thomas J. D'Amico Washington, DC 20006-5403 NAME (202) 420-2232 CUSTOMER NUMBER: 24998 28,371 REGISTRATION NUMBER

PRIORITY DATE

02/06/2004



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

PCT/JP04/13246

I.A. FILING DATE ·

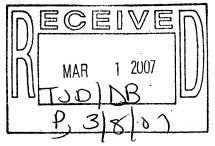
09/10/2004

U.S. APPLICATION NUMBER NO. FIRST NAMED APPLICANT ATTY. DOCKET NO.

10/588,283 Masashi Kawasaki S8810.0003/P003

INTERNATIONAL APPLICATION NO.

24998 DICKSTEIN SHAPIRO LLP 1825 EYE STREET NW Washington, DC 20006-5403



CONFIRMATION NO. 5019
371 FORMALITIES LETTER
OC000000022649783

Date Mailed: 02/27/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 08/04/2006
- English Translation of the IA filed on 08/04/2006
- Copy of the International Search Report filed on 08/04/2006
- Preliminary Amendments filed on 08/04/2006
- Information Disclosure Statements filed on 12/07/2006
- Small Entity Statement filed on 12/07/2006
- U.S. Basic National Fees filed on 08/04/2006
- Priority Documents filed on 08/04/2006
- Specification filed on 08/04/2006
- Claims filed on 08/04/2006
- Abstracts filed on 08/04/2006
- Drawings filed on 08/04/2006

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The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application humber and international filling date
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath
 or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the
 missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

• \$130 Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web. https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at http://www.uspto.gov/ebc.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

WINSTON M ALVARADO

Telephone: (703) 308-9140 EXT 206

PART 1 - ATTORNEY/APPLICANT COPY

	U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
	10/588,283	РСТ/ЈР04/13246	S8810.0003/P003

FORM PCT/DO/EO/905 (371 Formalities Notice)

Statement

Docket No.:S8810.0003/P003 (PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Masashi Kawaski et al.

Confirmation No.: N/A

Application No.: 10/588,283

Group Art Unit: N/A

Filed: August 4, 2006

Examiner: Not Yet Assigned

For: METHOD OF MANUFACTURING THIN

FILM, METHOD OF MANUFACTURING p-

TYPE ZINC OXIDE THIN FILM AND

SEMICONDUCTOR DEVICE

STATEMENT UNDER 37 C.F.R. § 1.497(d)(1) BY TOMOTERU FUKUMURA

Box Non-Fee Amendment

Commissioner for Patents Washington, DC 20231

I, Tomoteru Fukumura, hereby state that there was a misspelling of my first name in PCT International Application PCT/JP2004/013246 and that this misspelling occurred without deceptive intention. The correct spelling of my name is in the heading of this paper and below.

Further, I hereby declare that this statement was made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Dated:

By Tomoteru Fukumura

Docket No.: S8810.0003/P003

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Masashi Kawasaki et al.

Application No.: 10/588,283

Confirmation No. N/A

Filed: August 4, 2006

Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

For: METHOD OF MANUFACTURING THIN

FILM, METHOD OF MANUFACTURING p-

TYPE ZINC OXIDE THIN FILM AND

SEMICONDUCTOR DEVICE

SECOND NOTICE OF ENTITLEMENT TO SMALL ENTITY STATUS

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

On December 7, 2006, the undersigned filed a Notice of Entitlement to Small Entity Status for the assignee of this application, Tohoku University.

The Applicants received a Notification of Missing Requirements dated February 27, 2007 wherein the undersigned is being charged for large entity status. A copy of the Notification of Entitlement to Small Entity Status filed on December 7, 2006 is enclosed along with the PTO-stamped postcard receipt.

DSMDB-2250575v01

It is requested that all pertinent U.S. Patent and Trademark Office records relating to the subject application be updated to reflect this correction.

Dated: April 25, 2007

Respectfully submitted,

Thomas J. D'Amico

Registration No.: 28,371

David T. Beck

Registration No.: 54,985 DICKSTEIN SHAPIRO LLP

1825 Eye Street, NW

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Attorney for Applicant